

**MINISTRY OF NATIONAL EDUCATION
“AUREL VLAICU” UNIVERSITY OF ARAD
FACULTY OF FOOD ENGINEERING, TOURISM AND
ENVIRONMENTAL PROTECTION**

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**STUDENT SCIENTIFIC SESSION
FACULTY OF FOOD ENGINEERING, TOURISM AND
ENVIRONMENTAL PROTECTION**

PROGRAMM

XVIIth Edition, April 11-13, 2019

ARAD, ROMANIA

STUDENT SCIENTIFIC SESSION

FACULTY OF FOOD ENGINEERING, TOURISM AND ENVIRONMENTAL PROTECTION “AUREL VLAICU” UNIVERSITY OF ARAD

XVIIth Edition, April 11-13, 2019

PROGRAMM

LOCATION: "Aurel Vlaicu" University of Arad, building M, Faculty of Food Engineering, Tourism and Environmental Protection, Elena Drăgoi Str., no. 2-4, A1, Code 310 330, Arad.

Thursday, April 11, 2019

Participant's arrival.

Accommodation at Akademos Hotel, Ecaterina Teodoroiu St, Nr. 3, Arad (in Parcul Reconcilierii).

19.00 Welcome dinner at Akademos Restaurant

Friday, April 12, 2019

09.00-10.00 Students registration

10.00-10.20 WELCOME SPEECH

Vicerector of „Aurel Vlaicu” University of Arad: Prof. Dr. Eng. Alexandru Popa,

Vicerector of „Aurel Vlaicu” University of Arad: Prof. Dr. Codruta Stoica

Dean of Faculty of Food Engineering, Tourism and Environmental Protection: Assoc. Prof. Dr. Eng. Virgiliu Ciutina

Director of Department of Technical and Natural Sciences: Assoc Prof. Dr. Eng. Monica Lungu

Research responsible of Department of Technical and Natural Sciences: Prof. Dr. Habil. Dana Copolovici

SECTION I
Engineering and Environmental Science
Environmental Protection
Biodiversity
Health

Chairman: Prof. dr. habil. Florentina Munteanu
Prof. dr. habil. Alina Zamfir
Prof. dr. habil. Lucian Copolovici
Master Stud. eng. Monica Taschina

- 10.20-10.30 THE ANTIBIOTIC RESISTANCE – A STRIKING PROBLEM OF OUR TIMES
OP 1
Silvana-Adriana Ardelean, Vanesa-Larisa Bloaje-Florică, Gabriela Cioca
Universitatea “Lucian Blaga” din Sibiu
- 10.30-10.40 ENGLISH VS. FRENCH LAVENDER WHAT'S THE DIFFERENCE?
OP 2
Flavia Bortez, Lucian Copolovici
Aurel Vlaicu University of Arad
- 10.40-10.50 THE EVALUATION OF STABILITY AND COMPATIBILITY OF THE COSMETIC PRODUCTS WITH
OP 3
LAVANDULA ANGUSTIFOLIA OIL STORED IN PLASTIC CONTAINERS
Mihaela Bogdan¹, Laura Endres¹, Bianca Pasca¹, Delia Mirela Tit¹, Diana Uivarosan¹, Dana Maria Copolovici², Simona Bungau¹
¹University of Oradea, ²Aurel Vlaicu University of Arad
- 10.50-11.00 COMPARATIVE STUDY OF *MORUS NIGRA* L. AND *MORUS ALBA* L FROM POINT OF VIEW OF
OP 4
TOTAL PHENOLS CONTENT
Adriana Ramona Memete, Cornelia Purcarea, Adrian Timar, Simona Vicas
University of Oradea
- 11.00-11.10 MANAGEMENTUL TERAPIEI ANTIRETROVIRALE PRIN TEHNICI DE TIP TDM
OP5
(THERAPEUTICAL DRUG MONITORING)
Ruxandra Cristina Marin, Simona Bungau
University of Oradea
- 11.10-11.20 THE IMPORTANCE OF DRONES IN SUSTAINABLE AGRICULTURE
OP6
Andrei-Georgian Pîrvan¹, Denisa-Maria Baranga², Ștefana Jurcoane²
¹University of Agronomic Sciences and Veterinary Medicine of Bucharest, ²Romanian-American University
- 11.20-11.30 STUDIES ON FOODER VALUE AT CUP PLANT (*Silphium perfoliatum* L.)
OP7
Noemi Jucsor, Sumalan Radu
Banat's University of Agricultural Sciences and Veterinary Medicine “King Michael I st of Romania” from Timisoara

11.30-11.40 PRELIMINARY DATA RELATED TO CHEMICAL COMPOSITION AND ANTIOXIDANT ACTIVITY
OP8 OF *CANNABIS SATIVA* LEAVES

Leonard Marian Olariu¹, Georgeta Pop², Marcela Mihoc², Dana Copolovici¹

¹*Aurel Vlaicu University, Arad, Romania*, ²*Banat University of Agricultural Sciences and Veterinary Medicine King Michael 1st of Romania from Timisoara*

11.40-12.10 COFFEE BREAK

SECTION II
Food Technology
Food Engineering
Nutrition
Food Quality and Food Security
Agrotourism Management
Sustainability

Chairman: Prof. dr. Monica Zdremțan
Assoc. Prof. dr. Dorina Chambre
Prof. dr. habil. Dana Copolovici
Master Stud. Ioana Moldovan

12.10-12.20 STUDIES CONCERNING THE TECHNOLOGY AND COMPOUND OPTIMIZATION OF
OP1 SPREADABLE PRODUCTS MADE OUT OF COLD PRESSED VEGETABLE OILS AND SPICES

Alexandra-Bianca Bobiș, Vlad Mureșan, Loredana Leopold

Universitatea de Științe Agricole și Medicină Veterinară Cluj-Napoca

12.20-12.30 EVALUATION OF THE APPLICABILITY OF "OLEOGEL" TYPE LIPIDS AND "MEDLAR" FRUITS
OP2 IN INNOVATIVE AND TRADITIONAL PASTRY PRODUCTS

Iasmina Blidar, Andreea Pușcaș, Simona Man, Cristina Coman,

Cristina Anamaria Semeniuc, Vlad Mureșan

University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca

12.30-12.40 CHEMICAL COMPOSITION AND BIOLOGICAL ACTIVITIES OF SPENT COFFEE
OP3 GROUNDS

Corina Maxim, Sonia Socaci, Anca Fărcaș, Maria Tofană

University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca

12.40-12.50 YOGURT WITH ALOE VERA AND VOLATILE CITRUS OIL

OP4 Delia Mariana Selagea, Mirela Jimborean, Liana Salanță, Carmen Pop

University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca

12.50-13.00 PRELIMINARY RESEARCH ON THE PURIFICATION OF ECOLOGICAL CAMELINE OIL FOR USE
OP5 IN THE COSMETIC INDUSTRY

Ana-Simona Copaci, Andrei-Georgian Pîrvan, Florentina Israel-Roming, Ștefana Jurcoane
University of Agronomic Sciences and Veterinary Medicine of Bucharest

13.00-13.10 ANALYSIS IN THE CONSUMPTION TRUFFLE IN FORTUNA ARAD

OP6 Claudia Bălan, Eugenia Țigan
Aurel Vlaicu University of Arad

13.10-13.20 THE ANALYSIS OF CONSUMERS PERCEPTION REGARDING SAFFRONS PRICE

OP7 Raluca Berbece, Eugenia Țigan
Aurel Vlaicu University of Arad

13.20-13.30 CHARACTERISATION OF AROMA COMPOUNDS FROM ROASTED COFFEE BEANS

OP8 Ionela-Alina Ciurel, Dana Copolovici
Aurel Vlaicu University of Arad

13.30-13.40 HIGH TEMPERATURE INFLUENCE ON FATTY ACIDS COMPOSITION OF YOGURTS

OP9 Ionela Șuibea, Lucian Copolovici
Aurel Vlaicu University of Arad

13.40-13.50 THE FATTY ACIDS COMPOSITION OF COMMERCIAL FISH EGGS

OP10 Iulia Lupu (Timofte), Dana Copolovici
Aurel Vlaicu University of Arad

13.50-14.00 DETERMINATION OF FATTY ACIDS FROM DIFFERENT TYPES OF MAYONNAISE FROM
OP11 ROMANIAN MARKET

Adriana Aștefănoaia, Dana Copolovici
Aurel Vlaicu University of Arad

14.00-15.00 LUNCH

15.00-16.00 POSTERS PRESENTATION

Chairman: Assoc. Prof. dr. eng. Eugenia Tigan
Assoc. Prof. dr.eng. Monica Lungu
Assoc. Prof. dr. eng. Ciutina Virgiliu
Master stud. eng. Ionela Ciurel

SECTION I

PP2 THE INFLUENCE OF ENVIRONMENTAL FACTORS ON FOREST ECOSYSTEMS

Alin Martin¹, Lucian Copolovici²

¹“Babeș-Bolyai” University, Cluj-Napoca, ²Aurel Vlaicu University, Arad

- PP3 INFLUENCE OF DROUGHT STRESS ON PEA PLANTS (*PISUM SATIVUM* L.)
Loredana Lazăr^{1,2}, Cristian Moisa¹, Lucian Copolovici¹
¹*Aurel Vlaicu University, Arad*, ²*”Babes Bolyai” University, Cluj Napoca*
- PP4 VALORISATION OF SOME AGRO-FOOD INDUSTRIAL WASTES FOR THE TREATMENT OF WASTEWATERS
Violeta Năstuneac¹, Simona Gavrilaş², Florentina-Daniela Munteanu²
¹ *Universitatea „Vasile Alecsandri” din Bacău*, ²*Aurel Vlaicu University of Arad*
- PP5 STUDIES ON THE WASTE COMPOSTING PROCESS: METHODS TO REDUCE EMISSIONS OF POLLUTING GASES
Dan Danciu¹, Iolanda Tolan², Florentina-Daniela Munteanu²
¹ *Universitatea „Vasile Alecsandri” din Bacău*, ² *Universitatea Aurel Vlaicu din Arad*
- PP6 COMPARATIVE STUDY OF TOTAL PHENOLS CONTENT OF MISTLETOE LEAVES GROWN ON DIFFERENT HOST TREES
Eva Kleszken, Vasile Laslo, Simona Ioana Vicas
University of Oradea
- PP7 FUNCTION AND STRUCTURAL PROTEIN-GLYCOLIPID INTERACTION BY HIGH PERFORMANCE MASS SPECTROMETRY
Alina Secara¹, Raluca Ica², Mirela Sarbu², Laurentiu Popescu², Alina Petrut², Ligia Petrica¹, Alina D. Zamfir^{2,3}
¹*”Victor Babes” University of Medicine, Timisoara, Romania*, ²*National Institute for R&D in Electrochemistry and Condensed Matter, Timisoara, Romania*, ³*Aurel Vlaicu University of Arad*
- PP8 ION MOBILITY MASS SPECTROMETRY OF GANGLIOSIDES EXPRESSED IN CENTRAL NERVOUS SYSTEM
Mirela Sarbu¹, Anca Simulescu², Alina Petrut¹, Ligia Petrica², Alina D. Zamfir^{1,3}
¹*National Institute for R&D in Electrochemistry and Condensed Matter, Timisoara, Romania*, ²*”Victor Babes” University of Medicine, Timisoara, Romania*, ³*Aurel Vlaicu University of Arad, Arad, Romania*
- PP9 HUMAN GANGLIOSIDOME IN SEVERE BRAIN DISORDERS: HIGH RESOLUTION MASS SPECTROMETRY STUDY
Raluca Ica¹, Mirela Sarbu¹, Irma Cozma², Andrei J. Petrescu³, Cristian V.A. Munteanu³, Alina D. Zamfir^{1,4}
¹*National Institute for R&D in Electrochemistry and Condensed Matter, Timisoara, Romania*, ²*”Victor Babes” University of Medicine, Timisoara, Romania*, ³*Institute of Biochemistry of the Romanian Academy, Bucharest, Romania*, ⁴*Aurel Vlaicu University of Arad*

- PP10 VALORIZING INDUSTRIAL HEMP (*CANNABIS SATIVA L.*) BY-PRODUCTS: FROM CROP-RESIDUES TO ESSENTIAL OIL PRODUCTION
Anca Ofelia Panda, Georgeta Pop, Valeriu Tabără
Banat University of Agricultural Sciences and Veterinary Medicine "King Michael 1st of Romania" from Timisoara, Timisoara
- PP11 CHEMICAL POLYMORPHISM OF SOME ESSENTIAL OILS FROM *LAMIACEAE* FAMILY DURING DIFFERENT PHENOLOGICAL STAGES
Cristian Moisa^{1,2}, Lucian Copolovici¹, Georgeta Pop², Andreea I. Lupitu^{1,2}, Dana Copolovici¹
¹*Aurel Vlaicu University of Arad*, ²*Banat University of Agricultural Sciences and Veterinary Medicine King Michael 1st of Romania from Timisoara, Timisoara*
- PP12 WALNUT, THE GIANT OF ANCIENT TIMES WITH THE PESTS OF OUR CENTURY
Angela Corina Popitanu¹, Lucian Copolovici², Dana Maria Copolovici²
¹*University of Oradea, Oradea*, ²*Aurel Vlaicu University of Arad*
- PP13 AROMATHERAPY AS ALTERNATIVE AND COMPLEMENTARY THERAPY
Maria Daniela Mot¹, Adrian Gheorghe Bodescu², Adina Bodescu³, Camelia Buhaș¹, Dana Maria Copolovici³
¹*University of Oradea, Oradea*, ²*"Babes-Bolyai" University, Cluj-Napoca, Romania*, ³*Aurel Vlaicu University of Arad*
- PP14 CELL-PENETRATING PEPTIDES
Carmen Popa¹, Dana Maria Copolovici²
¹*University of Oradea, Oradea*, ²*Aurel Vlaicu University of Arad*
- PP15 IMPACT OF PLANTS SECONDARY METABOLITES ON HUMAN DIET
Adriana Csakvari¹, Andreea Lupitu², Simona Bungău¹, Manuel Alexandru Gîtea¹, Daniela Gîtea¹, Delia Mirela Țiț¹, Lucian Copolovici², Sebastian Nemeth¹, Dana Copolovici²
¹*University of Oradea*, ²*Aurel Vlaicu University of Arad*
- PP16 BIODIVERSITY OF PLANTS SECONDARY METABOLITES FROM PLANTS
Silvia Elena Lavinia Mot¹, Dana Copolovici²
¹*University of Oradea*, ²*Aurel Vlaicu University of Arad*
- PP17 EXPLORING NEW BIOPESTICIDES
Roxana Faur, Dana Gina Radu
Aurel Vlaicu University of Arad
- PP18 KETOPROFEN AND PARACETAMOL INFLUENCE ON *PHASEOLUS VULGARIS L.* PLANTS
Monica Tășchină, Lucian Copolovici
Aurel Vlaicu University of Arad

SECTION II

- PP1 PESTS PREVENTION METHODS AND CONTROL APPLIED IN ORGANIC ARAD AND BUCHAREST APPLE ORCHARDS
Andreea Bujdei, Roxana Ciceoi, Elena Mardare, Florin Stănică
University of Agronomic Sciences and Veterinary Medicine of Bucharest
- PP2 TERPENIC COMPOUNDS IN THE FOOD INDUSTRY -A REVIEW –
Andreea Lupitu^{1,2*}, Cristian Moisa^{1,2}, Dana Maria Copolovici¹, Adrian Ravis², Lucian Copolovici¹
¹*Aurel Vlaicu University of Arad*, ²*Banat University of Agricultural Sciences and Veterinary Medicine „King Michael 1st of Romania” from Timisoara*
- PP3 COMPARATIVE STUDY OF PHYSICO-CHEMICAL CHARACTERISTICS FOR ECOLOGICAL CHEESE VS. NON ORGANIC CHEESE
Magda Alina-Larisa, Ionel Popescu-Mitroi
"Aurel Vlaicu" University of Arad
- PP4 DEVELOPING A NEW CANDY RECIPES WITH ANALGESIC EFFECT FOR CHILDREN
Magda Alina-Larisa, Monica Zdremțan
Aurel Vlaicu University of Arad
- PP5 FATTY ACID PROFILE DETERMINED IN STURGEON’S GONADS
Ioana Cristiana Moldovan, Dana Copolovici
Aurel Vlaicu University of Arad
- PP6 THE DETERMINATION OF MAXIMUM LEVEL OF WHEAT BRAN THAT CAN BE ADDED IN WHOLE WHEAT FLOUR BUNS
Denisa-Emilia Purda, Loredana Denisa Banciu, Patricia Florentina Șerpescu, Daniela Diaconescu, Mihaela Mester
Aurel Vlaicu University of Arad
- PP7 THE DEVELOPMENT OF A BISCUITS SALAMI RECIPES WITH QUINCE PELT AND SEEDS OF CHIA
Andreea Marcela Bucur, Sandra Tamara Rostaș, Monica Zdremțan
Aurel Vlaicu University of Arad
- PP8 SENSORY ANALYSIS OF BREAD WITH HOMEMADE HAM
Patricia Florentina Șerpescu, Denisa Emilia Purda, Loredana Denisa Banciu, Daniela Diaconescu, Mihaela Meșter
Aurel Vlaicu University of Arad

- PP9 HAIOS, TRADITIONAL PRODUCT WITH LARD
Suzana Maria Tosca , Monica Zdremtan
Aurel Vlaicu University of Arad
- PP10 THE OBTAINING OF A NEW PRODUCT – SPIRAL BREAD - WITH SPIRULINA AND CURCUMIN WITH FUNCTIONAL PROPERTIES
Loredana Denisa Banciu, Denisa Emilia Purda, Patricia Florentina Serpescu, Daniela Diaconescu, Mihaela Meşter
Aurel Vlaicu University of Arad
- PP11 OBTAINING AND PROMOTING A NEW PRODUCT FOR CONSUMERS WITH LACTOSE INTOLERANCE
Timea -Noemi Kopka, Monica Zdremţan
Aurel Vlaicu University of Arad
- PP12 THE NUTRITIONAL VALUE IMPROVEMENT OF THE MAIZE-BASED TRADITIONAL CAKE BY ADDING CRANBERRIES
Ionuţ-Marius Morcan, Monica Zdremţan
Aurel Vlaicu University of Arad
- PP13 RAFFAELLO WITH APRICOT SEEDS
Raluca Berbece, Beatrix Ştef, Monica Zdremţan
Aurel Vlaicu University of Arad
- PP14 OPTIMIZING CONDITIONS FOR OBTAINING BIOLOGIC ACTIVE EXTRACTS FROM LANTANA CAMARA L. LEAVES AND FLOWERS
Andreea Bota, Dana Copolovici
Aurel Vlaicu University of Arad
- PP15 STUDY OF THE INFLUENCE OF RICE FLOUR ADDITION ON CHOCOLATE EASTER CAKE
Alexandra Cosma, Monica Zdremtan
Aurel Vlaicu University of Arad
- PP16 FOOD ADDITIVES AND THEIR CONTRIBUTION IN FOOD INDUSTRY
Bianca Denisa Chereji, Florentina Daniela Munteanu
Aurel Vlaicu University of Arad
- PP17 DETERMINATION OF FATTY ACIDS CONTENT IN COMMERCIALY AVAILABLE FOOD PRODUCTS ON ROMANIAN MARKET
Andreea Dragan, Claudia Savu, Roxana Vidac, Dana Copolovici
Aurel Vlaicu University of Arad

- PP18 QUINOA GLUTEN-FREE COOKIES WITH IMPROVED PROPERTIES BY ADDING BLUEBERRIES
Cristina-Ramona Metzner, Daniela Stoin, Mariana-Atena Poiana
Banat`s University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara
- PP19 IMPROVEMENT OF DIDACTIC METHODS USED IN SCIENCE DOMAIN
Simona Gavrilas
Aurel Vlaicu University of Arad
- PP20 DETERMINATION OF FATTY ACIDS PROFILE OF THE TRADITIONAL NADLAC SAUSAGE
Adriana Iacob, Dana M. Copolovici
Aurel Vlaicu University of Arad
- PP21 YOGURT WITH ALOE VERA AND VOLATILE CITRUS OIL
Delia Mariana Selagea, Mirela Jimborean, Liana Salanță, Carmen Pop
University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca

16.00-16.30 COFFEE BREAK

16.30-17.00 PRODUCTS PRESENTATION

Chairman:
 Assoc. Prof. dr. eng. Daniela Diaconescu
 Lecturer dr. eng. Claudia Muresan
 Lecturer dr. eng. Sergiu Palcu
 PhD. Stud. eng. Cristian Moisa

- Prod. P. 1 DEVELOPING A NEW CANDY RECIPES WITH ANALGESIC EFFECT FOR CHILDREN
Alina-Larisa Magda, Monica Zdremțan
Aurel Vlaicu University of Arad
- Prod. P. 2 THE DEVELOPMENT OF A BISCUITS SALAMI RECIPES WITH QUINCE PELT AND SEEDS OF CHIA
Marcela Andreea Bucur, Sandra Tamara Rostas, Monica Zdremțan
Aurel Vlaicu University of Arad
- Prod. P. 3 HAIOS, TRADITIONAL PRODUCT WITH LARD
Suzana Maria Tosca , Monica Zdremtan
Aurel Vlaicu University of Arad
- Prod. P. 4 OBTAINING AND PROMOTING A NEW PRODUCT FOR CONSUMERS WITH LACTOSE INTOLERANCE

Timea -Noemi Kopka, Monica Zdremțan
Aurel Vlaicu University of Arad

Prod. P. 5 THE NUTRITIONAL VALUE IMPROVEMENT OF THE MAIZE-BASED TRADITIONAL CAKE BY
ADDING CRANBERRIES

Ionuț-Marius Morcan, Monica Zdremțan
Aurel Vlaicu University of Arad

Prod. P. 6 RAFFAELLO WITH APRICOT SEEDS

Raluca Berbece, Beatrix Ștef, Monica Zdremțan
Aurel Vlaicu University of Arad

Prod. P. 7 NATURAL YOGHURT WITH MANGO SPHERES

Roxana Manuela Bibart, Eugenia Țigan
Aurel Vlaicu University of Arad

Prod. P. 8 STUDY OF THE INFLUENCE OF RICE FLOUR ADDITION ON CHOCOLATE EASTER CAKE

Alexandra Cosma, Monica Zdremțan
Aurel Vlaicu University of Arad

Prod. P. 9 FUNCTIONAL FOODS WITH HEMP PROTEIN CONTENT

Leonard Marian Olariu, Claudia Mureșan
Aurel Vlaicu University of Arad

Prod. P. 10 BILB- LAVEN CHEESECAKE

Flavia Borteș
Aurel Vlaicu University of Arad

Prod. P. 11 SPREADS CHEESE CONTAINING ALLIUM URSINUM

Nicoleta Mihoc, Dana Copolovici
Aurel Vlaicu University of Arad

Prod. P. 12 IMPACT OF TEA TREE OIL ON FRESH CHEESE

Nicoleta Mihoc, Dana Copolovici
Aurel Vlaicu University of Arad

Prod. P. 13 MEET MEAT-TARHUCHOC

Smeurica Mititi (Schitea), Dana Copolovici
Aurel Vlaicu University of Arad

- Prod. P. 14 MAKING WINE FRUIT JAM LIQUEUR ASZÚ AND ZÉTA TOKAJI WINE TYPE
Adorjan Kinga, Mureşan Claudia
Aurel Vlaicu University of Arad
- Prod. P. 15 QUINOA GLUTEN-FREE COOKIES WITH IMPROVED PROPERTIES BY ADDING BLUEBERRIES
Cristina-Ramona Metzner, Daniela Stoin, Mariana-Atena Poiana
Banat`s University of Agricultural Sciences and Veterinary Medicine "King Michael I of Romania" from Timisoara
- Prod. P. 16 YOGURT WITH ALOE VERA AND VOLATILE CITRUS OIL
Delia Mariana Selagea, Mirela Jimborean, Liana Salanţă, Carmen Pop
University of Agricultural Sciences and Veterinary Medicine, Cluj-Napoca

17.15-17.30 AWARD CEREMONY

Saturday, April 13, 2019

08.30 Departure from Arad (Akademos Hotel) to Natural Park Lunca Muresului

09.30-12.00 Visiting trip at Natural Park Lunca Muresului

12.00-13.30 Lunch

Departure of participants

NOTES

Abbreviations: OP = oral presentation, PP = poster, Prod. P = product presentation.